## IODINE STATISTICS

# By Thomas D. Kelly and Phyllis A. Lyday

[All values in metric tons (t) unless otherwise noted]
Last modification: September 9, 2002

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|------|------------|------------|-------------|-------------|---------------|------------|------------|------------|
|      |            | Government |             |             | Apparent      | Unit value | Unit value | World      |
| Year | Production | shipments  | Imports     | Exports     | consumption   | (\$/t)     | (98\$/t)   | production |
| 1928 | 110440000  | ~ <b>P</b> | 327         | Ziipor vo   | 327           | 7,430      | 70,800     | P          |
| 1929 |            |            | 284         |             | 284           | 7,907      | 75,400     |            |
| 1930 |            |            | 224         |             | 224           | 8,030      | 78,400     |            |
| 1931 |            |            | 126         |             | 126           | 7,895      | 84,700     |            |
| 1932 | 79         |            | 287         |             | 365           | 7,768      | 92,400     |            |
| 1933 | 182        |            | 640         |             | 822           | 4,586      | 57,500     |            |
| 1934 | 129        |            | 672         |             | 801           | 3,178      | 38,700     |            |
| 1935 | 111        |            | 170         |             | 282           | 2,468      | 29,400     |            |
| 1936 | 106        |            | 269         |             | 375           | 2,078      | 24,400     |            |
| 1937 | 136        |            | 892         |             | 1,028         | 2,000      | 22,600     |            |
| 1938 |            |            | 259         |             | 259           | 1,794      | 20,700     |            |
| 1939 |            |            | 91          |             | 91            | 1,855      | 21,700     |            |
| 1940 |            |            | 564         |             | 564           | 2,297      | 26,700     |            |
| 1941 |            |            | 458         |             | 458           | 2,448      | 27,100     |            |
| 1942 |            |            | 431         |             | 431           | 2,437      | 24,400     |            |
| 1943 |            |            | 1,245       |             | 1,245         | 2,443      | 23,000     |            |
| 1944 |            |            | 546         |             | 546           | 2,419      | 22,400     |            |
| 1945 |            |            | 100         |             | 100           | 2,320      | 21,000     |            |
| 1946 |            |            | 402         |             | 402           | 2,427      | 20,300     |            |
| 1947 |            |            | 1,025       | 162         | 863           | 2,689      | 19,700     |            |
| 1948 |            |            | 269         | 123         | 450           | 3,158      | 21,400     |            |
| 1949 |            |            | 222         | 122         | 497           | 3,239      | 22,200     |            |
| 1950 |            |            | 329         | 207         | 631           | 3,211      | 21,700     |            |
| 1951 |            |            | 386         | 145         | 562           | 3,416      | 21,400     |            |
| 1952 |            |            | 359         | 55          | 533           | 3,799      | 23,400     |            |
| 1953 |            |            | 435         | 125         | 531           | 3,696      | 22,600     |            |
| 1954 |            |            | 429         | 153         | 611           | 2,410      | 14,600     |            |
| 1955 |            |            | 559         | 111         | 624           | 2,707      | 16,500     |            |
| 1956 |            |            | 773         | 229         | 579           | 2,819      | 16,900     |            |
| 1957 |            |            | 1,218       | 106         | 756           | 2,274      | 13,200     |            |
| 1958 |            |            | 708         | 90          | 542           | 1,877      | 10,600     |            |
| 1959 |            |            | 665         | 79          | 755           | 1,629      | 9,120      |            |
| 1960 |            |            | 859         | 114         | 882           |            |            | 3,030      |
| 1961 |            |            | 1,368       | 80          | 1,178         |            | 11,400     | 3,360      |
| 1962 |            |            | 1,373       | 81          | 1,133         | 2,070      | 11,200     | 3,411      |
| 1963 |            |            | 1,513       | 64          | 1,222         | 1,955      | 10,400     | 3,575      |
| 1964 |            |            | 1,176       | 67          | 1,419         |            | 10,600     | 4,190      |
| 1965 |            |            | 1,291       |             | 1,590         | 1,917      | 9,920      | 4,477      |
| 1966 |            |            | 3,235       |             | 1,707         | 1,834      | 9,230      | 5,562      |
| 1967 |            |            | 1,569       |             | 1,621         | 2,025      | 9,880      | 5,249      |
| 1968 | 210        |            | 2,668       | (0          | 2,019         |            | 9,820      | 5,286      |
| 1969 | 318        |            | 2,588       | 68          | 2,838         |            | 9,874      | 7,067      |
| 1970 | 318        |            | 2,741       | 117         | 2,942         |            | 10,670     | 8,257      |
| 1971 | 318        |            | 3,300       | 171         | 3,447         |            | 14,010     | 9,355      |
| 1972 | 318        |            | 2,815       | 181         | 2,952         | 3,620      | 14,120     | 9,743      |
| 1973 | 272        |            | 2,789       | 68          | 2,993         | 3,790      | 13,910     | 10,862     |
| 1974 | 272        |            | 3,615       | 293         | 3,594         |            | 13,560     | 10,443     |
| 1975 | 272        |            | 2,408       | 46          | 2,812         | 4,870      | 14,750     | 10,818     |
| 1976 | 272        |            | 2,940       | 45          | 3,266         |            | 13,460     | 11,035     |
| 1977 | 1,134      |            | 3,148       | 45          | 3,901         | 4,390      | 11,810     | 10,326     |
| 1978 | 1,134      |            | 3,101       | 45          | 3,674         | 4,720      | 11,800     | 10,378     |

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|      |            | Government |         |                | Apparent    | Unit value | Unit value | World      |
|------|------------|------------|---------|----------------|-------------|------------|------------|------------|
| Year | Production | shipments  | Imports | <b>Exports</b> | consumption | (\$/t)     | (98\$/t)   | production |
| 1979 | 1,134      |            | 2,813   | 23             | 3,674       | 6,570      | 14,750     | 11,135     |
| 1980 | 1,134      |            | 2,828   |                | 3,946       | 13,800     | 27,300     | 11,605     |
| 1981 | 1,134      | 37         | 2,766   |                | 3,992       | 13,120     | 23,530     | 12,024     |
| 1982 | 1,270      | 445        | 2,170   |                | 3,130       | 12,920     | 21,820     | 12,254     |
| 1983 | 1,225      | 50         | 2,896   |                | 3,692       | 12,060     | 19,740     | 12,540     |
| 1984 |            | 109        | 2,327   |                | 2,507       | 10,580     | 16,600     | 12,437     |
| 1985 |            |            | 2,471   |                | 2,346       | 11,860     | 17,970     | 12,784     |
| 1986 |            | 86         | 2,618   |                | 2,332       | 12,520     | 18,620     | 12,971     |
| 1987 |            | 190        | 3,200   |                | 3,200       | 15,260     | 21,900     | 12,671     |
| 1988 | 1,015      | 610        | 3,300   |                | 4,315       | 17,460     | 24,060     | 14,915     |
| 1989 | 1,508      | 200        | 3,326   |                | 4,834       | 17,670     | 23,230     | 16,259     |
| 1990 | 1,970      | 252        | 3,170   | 2,100          | 3,040       | 15,190     | 18,940     | 16,000     |
| 1991 | 2,000      | 36         | 3,560   | 1,320          | 4,330       | 10,160     |            |            |
| 1992 | 2,000      | 115        | 3,750   | 1,810          |             | 9,030      | 10,490     | 16,500     |
| 1993 | 1,940      | 0          | 3,620   | 1,220          | 4,330       | 7,900      | 8,911      | 16,100     |
| 1994 | 1,630      | 218        | 4,360   | 1,200          | 4,780       | 7,560      | 8,315      | 14,300     |
| 1995 | 1,220      | 133        | 3,950   | 1,220          | 3,540       | 9,880      | 10,570     | 13,400     |
| 1996 | 1,270      |            | 4,860   | 2,410          | 3,700       | 12,900     | 13,400     | 14,100     |
| 1997 | 1,320      | 204        | 6,380   | 2,760          | 5,140       | 14,660     | 14,890     | 15,700     |
| 1998 | 1,490      | 291        | 5,960   | 2,790          | 4,950       | 16,450     | 16,450     | 18,600     |
| 1999 | 1,620      | 221        | 5,430   | 1,130          | 5,990       | 16,150     | 15,800     | 18,400     |
| 2000 | 1,470      | 949        | 4,790   | 886            | 5,420       | 14,590     | 13,810     | 18,000     |

#### **Iodine Worksheet Notes**

#### **Data Sources**

The sources of data for the iodine worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB); Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS); and Mineral Facts and Problems (MFP. The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data either were not available or were withheld from publication because they are proprietary.

#### Production

Production is given for three time periods (1932–37, 1969–83, and 1988–98). Data for the first and last time periods were from the salient statistics table and/or a production table in the MYB. Data from 1969–83 were from the MFP. Production data for other time periods were withheld because the data were proprietary.

### **Government Shipments**

Shipment data are only available from 1981–2000. These data were from the salient statistics table in the MCS. Shipments were not available for other years.

#### **Imports**

All import data were from the salient statistics or imports for domestic consumption tables in the MYB.

#### **Exports**

Exports are not reported for the time periods 1928–46, 1965–68, and 1980–89. Data for all other years were from the salient statistics table, an export table, and in a few instances, the text (for the earlier years) in the MYB except for the years 1969–79, where the data were from the MFP.

## **Apparent Consumption**

For the years 1928–47 and 1969–74, apparent consumption was calculated by the formula:

#### PRODUCTION + IMPORTS - EXPORTS.

However, in some cases data are only available for imports, meaning that apparent consumption was calculated using only this information. For the years 1948–68 and 1984–86, reported consumption, from the MCS, was used due to the lack of production data. For the years 1975–83 and 1987–2000, the apparent consumption data reported in the Salient Statistics table or a consumption table in the MYB were used.

#### Unit Value (\$/t)

Data for this column come from a variety of sources. The unit value for the years 1928–69 was calculated using imports and import value (in the MYB). For the years 1970–76, unit value was from Table 1 in the 1990 MYB. For the years 1977–98, the unit value was from the prices section of the 1998 MYB. Unit values for the years 1970–2000 are c.i.f. import values.

#### Unit Value (98\$/t)

The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars.

#### **World Production**

World production data are reported for the years 1960–98. For the years 1976–98, data were from the world production table in the MYB. For the years 1960–75, data were from the world mine production table in the CDS.

#### References

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## For more information, please contact:

Phyllis A. Lyday USGS Iodine Commodity Specialist (703) 648-7713 plyday@usgs.gov

Thomas D. Kelly Minerals and Materials Analysis Section, USGS (303) 236-8747 x 269 kellyt@usgs.gov